

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : David Mendel et al.

Application No.: 10/796,502 Confirmation No.: 3014

Filed : March 8, 2004

For : SYSTEMS AND METHODS FOR REDUCING

STATIC AND TOTAL POWER CONSUMPTION IN

PROGRAMMABLE LOGIC DEVICE

ARCHITECTURES

Group Art Unit : 2185

New York, New York 10020

September 28, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97,

applicants hereby make the following references of record in the above-identified patent application:

U.S. Patents

6,407,576 Ngai et al.

6/18/02

Other Documents

Jason H. Anderson and Farid N. Najm, "A Novel Low-Power FPGA Routing Switch" (2004) (unpublished, submitted to the 2004 IEEE Custom Integrated Circuits Conference, Orlando, Florida, October 3-6, 2004).

Jason H. Anderson et al., "Active Leakage Power Optimization for FPGAs", 2004 ACM/SIGDA Twelfth International Symposium on Field Programmable Gate Arrays, Monterey, California, pp. 33-41 (February 22-24, 2004).

Jason H. Anderson and Farid N. Najm, "Low-Power Programmable Routing Circuitry for FPGAs" (2004) (unpublished, submitted to the 2004 International Conference on Computer Aided Design, San Jose, California, November 7-11, 2004).

Deming Chen and Jason Cong, "Low-Power Technology Mapping for FPGA Architectures with Dual Supply Voltages", 2004 ACM/SIGDA Twelfth International Symposium on Field Programmable Gate Arrays, Monterey, California, pp. 109-117 (February 22-24, 2004).

A. Gayasen et al., "Reducing Leakage Energy in FPGAs Using Region-Constrained Placement", 2004 ACM/SIGDA Twelfth International Symposium on Field Programmable Gate Arrays, Monterey, California, pp. 51-58 (February 22-24, 2004).

Fei Li et al., "Low-Power FPGA Using Pre-defined Dual-Vdd/Dual-Vt Fabrics", 2004 ACM/SIGDA Twelfth International Symposium on Field Programmable Gate Arrays, Monterey, California, pp. 42-50 (February 22-24, 2004).

Fei Li et al., "FPGA Power Reduction Using Configurable Dual-Vdd", 2004 Design Automation Conference, San Diego, California, pp. 735-740 (June 7-11, 2004).

Arifur Rahman and Vijay Polavarapuv, "Evaluation of Low-Leakage Design Techniques for Field Programmable Gate Arrays", 2004 ACM/SIGDA Twelfth International Symposium on Field Programmable Gate Arrays, Monterey, California, pp. 23-30 (February 22-24, 2004).

"Mercury Programmable Logic Device Family", Data Sheet, Version 2.2, Altera Corporation, pp. 17-28 (January 2003).

Copies of the aforementioned references, which are listed on the accompanying Form PTO-1449 (submitted in duplicate), are enclosed herewith.

It is respectfully requested that these references be (1) fully considered by the Patent and Trademark Office during examination of this application;

and (2) printed on any patent which may issue on this application. Applicants request that a copy of Form PTO-1449, as considered and initialed by the Examiner, be returned with the next communication.

In accordance with 37 C.F.R. § 1.97, submission of this Statement requires no fee. However, if for any reason a fee is due, the Director of the United States Patent and Trademark Office is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to Deposit Account No. 06-1075. A duplicate copy of this Statement is transmitted herewith.

An early and favorable action is respectfully requested.

Respectfully submitted,

Joel Weiss

Registration No. 44,398 Attorney for Applicants

FISH & NEAVE

Customer No. 36981

1251 Avenue of the Americas

New York, New York 10020-1105

Tel: (212) 596-9000

Fax: (212) 596-9090

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Signature of Person Signing

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

APPLICATION NO. 10/796,502

INFORMATION DISCLOSURE STATEMENT BY APPLICANTS

APPLICANTS
David Mendel et al.

ATTY. DOCKET NO.

CONFIRMATION NO. 3014

FILING DATE

174/308

GROUP ART UNIT

March 8, 2004 2185

U.S. PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
6,407,576	6/18/02	Ngai et al.	326	41		
	U.S	. PATENT DOCUME	NTS			
DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	FORE	IGN PATENT DOCU	MENTS			
EXAMINER DOCUMENT DATE COL	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
	Joon III			YES	NO	
	DOCUMENT NUMBER	NUMBER DATE 6,407,576 6/18/02 U.S DOCUMENT DATE FORE DOCUMENT DATE	NUMBER DATE NAME 6,407,576 6/18/02 Ngai et al. U.S. PATENT DOCUME DOCUMENT DATE NAME FOREIGN PATENT DOCU DOCUMENT DATE COUNTRY	NUMBER DATE NAME CLASS 6,407,576 6/18/02 Ngai et al. 326 U.S. PATENT DOCUMENTS DOCUMENT NUMBER DATE NAME CLASS FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY CLASS	NUMBER DATE NAME CLASS SUBCLASS 6,407,576 6/18/02 Ngai et al. 326 41 U.S. PATENT DOCUMENTS DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY CLASS SUBCLASS	NUMBER DATE NAME CLASS SUBCLASS IF APPRO 6,407,576 6/18/02 Ngai et al. 326 41 U.S. PATENT DOCUMENTS DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING IF APPRO FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY CLASS SUBCLASS TRANSL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Jason H. Anderson and Farid N. Najm, "A Novel Low-Power FPGA Routing Switch" (2004) (unpublished, submitted to the 2004 IEEE Custom Integrated Circuits Conference, Orlando, Florida, October 3-6, 2004).
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EXAMINER

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 174/308	APPLICATION NO. 10/796,502	
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